

INSULATION LAYER AND OF STRUCTURE FOR AN INDUCTIVE WRITE HEAD AND METHOD OF FABRICATION

ABSTRACT

A computer disk drive (22) having a write head (52) which includes a coil (38), a photoresist insulation layer (66) formed on the coil (38), and an insulation shell layer (102) which is formed on the photoresist insulation layer (66). In the first preferred embodiment (100), the top pole (42) of the write head (52) is formed on the insulation shell layer (102).

In the second preferred embodiment (200), the disk drive write gap (76) is formed on the insulation shell layer (102) and the top pole (42) of the write head (52) is formed on the write gap (76).

The insulation shell layers (102) in both embodiments are preferably made of dielectric materials (103).

Methods of fabrication for these embodiments are also disclosed.

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